| Inde | ex of | Claims |  |
|------|-------|--------|--|
|      |       |        |  |

Application/Control No.

10/620,873 Examiner

Applicant(s)/Patent under Reexamination

AKIMOTO ET AL.

Art Unit

Sath V. Perungavoor

2624

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

(Through numeral)
Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                                  |                |  |              |  |  |  | t  |          |                 |  |  |  |
|----------|----------------------------------|----------------|--|--------------|--|--|--|--|----------|-----------------|--|--|--|
| Cla      | im                               | Date           |  |              |  |  |  |  |          |                 |  |  |  |
| - 016    | Claim                            |                |  |              |  |  | ;<br>  | _  | $\neg$   | $\dashv$        |  |  |  |
| Final    | Original                         | 2/21/07        |  |              |  |  |  |  |          |                 |  |  |  |
| <u> </u> |                                  | =              | _  | _            | _  | $\dashv$   | Н  | -  | $\dashv$ | $\dashv$        |  |  |  |
| $\vdash$ | -                                | Ē              |  |              | Н  | -  |  | $\vdash$   | $\dashv$ | $\dashv$        |  |  |  |
|          | 2                                | $\vdash$       | _  |              | $\vdash$   | -  | $\vdash$   | Н  | $\dashv$ |                 |  |  |  |
| -        | 1                                | Н              |  |              | Н  | -  |  | Н  | -        |                 |  |  |  |
|          | 1<br>2<br>3<br>4<br>5            | Н              | _  |              | _  | -  | -  |  | -        | $\vdash$        |  |  |  |
|          | 2                                | Н              |  | _            |  | $\dashv$   | _  | -  | _        |                 |  |  |  |
|          | 7                                | Н              |  |              |  | -  |  | $\dashv$   |          | -               |  |  |  |
|          | 9                                | Н              | $\dashv$   | -            |  | -  | -  | $\dashv$   | _        | $\dashv$        |  |  |  |
|          | 6<br>7<br>8<br>9                 | Н              | $\vdash$   |              |  | $\vdash$   |  | $\dashv$   |          | $\dashv$        |  |  |  |
|          | 10                               | Н              | $\vdash$   |              | -  | Н  |  |  | -        | $\dashv$        |  |  |  |
| -        | 10<br>11                         | $\vdash$       | -  |              |  | Н  |  |  | -        | $\dashv$        |  |  |  |
| <b>—</b> | 12                               | $\vdash$       | -  |              | -  | $\vdash$   |  | -  | -        | $\dashv$        |  |  |  |
| <b>—</b> | 13                               | Н              | Н  |              | -  |  |  | $\vdash$   | -        | $\dashv$        |  |  |  |
| <u> </u> | 14                               | $\vdash$       | H  |              | $\vdash$   | Н  |  | $\vdash$   | -        | $\dashv$        |  |  |  |
| _        | 12<br>13<br>14<br>15<br>16<br>17 | Н              | -  |              | $\vdash$   |  |  | $\vdash$   | $\neg$   | $\dashv$        |  |  |  |
| $\vdash$ | 16                               | $\vdash$       | М  |              | Н  | П  |  | $\vdash$   | -        | $\dashv$        |  |  |  |
|          | 17                               | Н              |  |              |  |  |  |  |          |                 |  |  |  |
|          | 18                               |                |  |              |  |  |  |  |          |                 |  |  |  |
| <b></b>  | 18<br>19                         |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 20                               |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 21                               |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 21<br>22                         |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 23                               |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 24                               |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 25                               |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 26<br>27<br>28                   |                |  |              |  |  |  |  |          |                 |  |  |  |
|          | 27                               |                |  |              |  |  |  |  |          | $\Box$          |  |  |  |
|          | 28                               | <u></u>        |  |              |  |  |  |  |          | Ш               |  |  |  |
|          | 29<br>30                         | _              |  |              | _  |  |  |  |          | Ш               |  |  |  |
|          | 30                               |                |  |              | _  |  |  |  |          |                 |  |  |  |
|          | 31                               | <u> </u>       |  |              | _  |  |  | _  | _        | Щ               |  |  |  |
|          | 32<br>33                         | <u> </u>       |  |              | _  | <u> </u>   | _  | oxdot  |          | Щ               |  |  |  |
| <u> </u> | 33                               | <u> </u>       | _  | <u> </u>     | <u> </u>   | $\vdash$   | <u> </u>   | _  | <u> </u> | $\vdash \dashv$ |  |  |  |
| <u> </u> | 34<br>35                         | <u> </u>       | $\vdash$   | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$   | _        | Ш               |  |  |  |
| $\vdash$ | 35                               | H              | -  | <del> </del> | <del> </del>                                     | <del> </del>                                     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash\vdash$  |  |  |  |
|          | 36                               | -              | $\vdash$   | <u> </u>     | ⊢  | <del> </del>                                     | <del> </del>                                     | <u> </u>   |          | $\vdash\vdash$  |  |  |  |
| $\vdash$ | 37<br>38                         |                | <del> </del>                                     | $\vdash$     |  |  | $\vdash$   | $\vdash$   | -        | $\vdash \vdash$ |  |  |  |
| ļ        | 39                               | <del> </del>   | $\vdash$   | -            | $\vdash$   | H  | $\vdash$   | $\vdash$   |          | $\vdash \vdash$ |  |  |  |
|          | 4.0                              | H              | <del>  -</del>                                   | -            |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash\vdash$  |  |  |  |
| -        | 41                               | <del> </del> - | ├  | $\vdash$     | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | Н               |  |  |  |
| $\vdash$ | 42                               | $\vdash$       | ┢┈   | ┢═           | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | $\vdash$ | $\vdash$        |  |  |  |
| <b>—</b> | 43                               | <del> </del>   | $\vdash$   | $\vdash$     | ┰  | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$        |  |  |  |
| $\vdash$ | 44                               | $\vdash$       | $\vdash$   | ┢═           | Т  | Т  | Т  | ┪  | Н        | H               |  |  |  |
| <b>F</b> | 45                               | Т              | ┢╌   | 一            | $t^-$  | T  | ┢  | <del>                                     </del> | -        | $\vdash$        |  |  |  |
|          | 46                               | $\vdash$       | <del>                                     </del> | ┢            | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$ | $\vdash$        |  |  |  |
|          | 47                               | 1              |  | Н            |  | <u> </u>   |  | $\vdash$   | $\vdash$ | H               |  |  |  |
|          | 48                               |                | $\vdash$   | _            | <del>                                     </del> | <del>                                     </del> | _  | $\vdash$   | $\vdash$ | Н               |  |  |  |
|          | 49                               |                | ┢  | $\vdash$     | 1  | T  |  |  | Г        | М               |  |  |  |
|          | 50                               | $\vdash$       | Г  | Г            |  |  | -  | Г  | Г        | П               |  |  |  |

| Cla        | Claim          |          |                                     | Date         |    |              |        |   |          |          |  |  |  |
|------------|----------------|----------|-------------------------------------|--------------|----|--------------|--------|---|----------|----------|--|--|--|
|            |                |          |                                     |              |    |              |        |   |          | Γ.       |  |  |  |
| ਲ          | Original       |          |                                     |              |    |              |        |   |          | ľ        |  |  |  |
| Final      | ņ              |          |                                     |              |    |              |        |   |          |          |  |  |  |
| -          | 0              |          |                                     |              |    |              |        |   |          |          |  |  |  |
| -          | 51             | -        | ┝╌                                  |              | -  | $\vdash$     | Н      | _ | -        | Н        |  |  |  |
| $\vdash$   | 51<br>52       | -        | $\vdash$                            | Н            | _  | -            |        |   |          | Н        |  |  |  |
|            | 52             | _        | $\vdash$                            | Н            | _  | _            |        |   |          | $\vdash$ |  |  |  |
| <u> </u>   | 53<br>54<br>55 | _        | <del> </del>                        |              | _  | -            | -      |   | _        | Н        |  |  |  |
| <b>—</b> — | 54             | ⊢        | -                                   | -            | _  | -            | Н      |   | -        | Н        |  |  |  |
|            | 55             | <u> </u> | <u> </u>                            |              | _  | H            | Н      |   |          | Н        |  |  |  |
| -          | 56<br>57       | _        | _                                   |              | -  | ⊢            | -      |   | <u> </u> | $\vdash$ |  |  |  |
|            | 5/             | -        | -                                   | <u> </u>     | -  | <u> </u>     |        | _ | <u> </u> | H        |  |  |  |
| <u> </u>   | 58<br>59       | _        | <u> </u>                            | <u> </u>     | L. |              | Н      | _ | _        | Н        |  |  |  |
|            | 59             | L.       | <u> </u>                            | lacksquare   |    | <u> </u>     | _      |   | _        | Щ        |  |  |  |
| ļ          | 60             | _        | ╙                                   | _            | _  | <u> </u>     | Ш      | _ |          | Щ        |  |  |  |
|            | 61             | _        | <u> </u>                            | L_           | _  | <u> </u>     | Ш      |   |          | Ш        |  |  |  |
|            | 62             |          | 匚                                   | Ľ            | L  | <u> </u>     | Ш      |   |          | Щ        |  |  |  |
| <u></u>    | 63.            | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L            |    |              | Ш      |   | <u> </u> | Ш        |  |  |  |
|            | 64<br>65       | <u> </u> |                                     | $oxed{oxed}$ |    | $oxed{oxed}$ | Ш      |   |          | Ш        |  |  |  |
|            | 65             | _        | $oxedsymbol{oxed}$                  | L            |    | $oxed{oxed}$ | $\Box$ |   |          | Ш        |  |  |  |
|            | 66             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 67             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 68             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 69             |          | Π                                   |              |    |              |        |   |          |          |  |  |  |
|            | 70             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 71             |          |                                     | Г            |    | Г            |        |   |          |          |  |  |  |
|            | 72<br>73       |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 73             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 74             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 75             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 75<br>76.      |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 77<br>78       |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 78             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 79             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 80             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 81             |          |                                     | Г            | Г  |              | Г      |   | П        | П        |  |  |  |
|            | 82             |          | Г                                   |              |    |              |        |   |          |          |  |  |  |
|            | 83             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 84             |          |                                     | T            |    |              |        |   | Г        |          |  |  |  |
|            | 85             |          | Π                                   | Г            | Г  | Г            |        | Г | П        | П        |  |  |  |
|            | 86             |          | 1                                   | Г            |    | T            |        | Π | Г        | Π        |  |  |  |
|            | 87             |          | Г                                   | Π            | Г  | Г            | Г      | Γ |          | Г        |  |  |  |
|            | 88             |          | Γ                                   | Γ            |    |              |        |   | Г        |          |  |  |  |
|            | 89             | Г        | Π                                   | Π            | Г  | Π            |        | Γ |          | _        |  |  |  |
|            | 90             | Г        |                                     | П            |    |              | Γ      |   |          |          |  |  |  |
|            | 91             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 92             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 93             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 94             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 95             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 96             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 97             |          |                                     |              |    |              |        |   |          |          |  |  |  |
|            | 98             |          |                                     |              |    | L            |        |   |          |          |  |  |  |
|            | 99             |          | 匚                                   |              |    | Ĺ            |        |   |          |          |  |  |  |
|            | 100            |          |                                     |              |    |              |        |   |          | 匚        |  |  |  |

|          |                   | De4-         |          |          |  |            |              |          |  | ı        |   |
|----------|-------------------|--------------|----------|----------|--|------------|--------------|----------|--|----------|---|
| Cla      | aim               |              | _        | _        | _  | Date       | -            | _        |  |          |   |
| Final    | Original          |              |          |          |  |            |              |          |  |          |   |
|          | 101<br>102        |              |          |          |  |            |              |          |  |          |   |
|          | 102               |              |          |          |  |            |              |          |  |          |   |
|          | 103               |              |          |          |  |            |              |          |  |          |   |
|          | 104               |              |          |          |  |            |              |          |  |          |   |
|          | 105               |              |          |          |  |            |              |          |  |          |   |
|          | 106               |              | _        |          |  |            |              |          |  |          |   |
|          | 107               | Ш            | $\dashv$ |          |  |            |              |          |  | Щ        |   |
|          | 108               |              | _        | _        | $\vdash$   | Ш          |              | _        |  | $\dashv$ |   |
|          | 109<br>110        |              | $\dashv$ | _        |  |            |              | _        |  | -        |   |
|          | 111               | -            | $\dashv$ |          | Н  | -          | $\dashv$     |          |  | -        |   |
|          | 112               | -            | $\dashv$ | _        | -  | Н          | $\vdash$     |          |  |          |   |
|          | 113               | $\vdash$     |          | -        | $\vdash$   | H          | $\vdash$     | Н        | $\vdash$   |          |   |
|          | 114               | $\vdash$     | $\dashv$ |          | Н  | Н          | Н            | -        |  | -        |   |
|          | 114<br>115        | $\vdash$     | -        |          | $\vdash$   | $\vdash$   | $\vdash$     |          |  | $\vdash$ |   |
|          | 116               | -            | $\vdash$ |          | Н  | Н          | $\vdash$     | -        | $\vdash$   | $\vdash$ |   |
|          | 116<br>117        |              | -        |          | Н  | H          |              |          | $\vdash$   | -        |   |
|          | 118               | Н            |          | _        | $\vdash$   | H          |              | Н        |  | H        |   |
|          | 119               | $\neg$       |          |          | -  | Н          |              |          |  | $\Box$   | l |
|          | 120               |              |          |          |  |            |              |          | -  |          | l |
|          | 121               |              |          |          |  |            |              |          |  |          |   |
|          | 122               |              |          |          |  |            |              |          |  |          |   |
|          | 121<br>122<br>123 |              |          |          |  |            |              |          |  |          |   |
|          | 124<br>125        |              |          |          |  |            |              |          |  |          |   |
|          | 125               |              |          |          |  |            |              |          |  |          |   |
|          | 126               |              |          |          |  |            | _            |          |  |          | l |
|          | 127<br>128        |              |          |          |  |            | $oxed{oxed}$ |          |  | _        | l |
|          | 128               |              |          |          |  |            | _            |          |  | <u> </u> | l |
|          | 129<br>130        | _            |          |          | _  | lacksquare | L_           | <u> </u> | _  | <u> </u> | l |
|          | 130               | _            |          | _        | _  | <u> </u>   | <u> </u>     |          | $\vdash$   | <u> </u> | l |
|          | 131               |              |          |          | Ŀ  |            | <u> </u>     | ـــــا   | <u> </u>   |          | ı |
|          | 132<br>133        | $\vdash$     | -        | _        | _  |            |              | <u> </u> | $\vdash$   | $\vdash$ | ı |
|          | 133               | $\vdash$     | $\vdash$ | _        | -  | -          | -            |          | <u> </u>   |          |   |
|          | 135               | <del> </del> | -        | -        | <u> </u>   | $\vdash$   |              | $\vdash$ | $\vdash$   | -        |   |
|          | 136               | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   |            | $\vdash$     | <b>-</b> | $\vdash$   | $\vdash$ | 1 |
|          | 137               | $\vdash$     | $\vdash$ | $\vdash$ |  | -          | -            | -        | $\vdash$   | -        |   |
|          | 138               |              | -        | -        | $\vdash$   |            |              | $\vdash$ | $\vdash$   | $\vdash$ | 1 |
| <u> </u> | 139               | T            | $\vdash$ | $\vdash$ | <del>                                     </del> |            | Т            | $\vdash$ | <del>                                     </del> | _        | 1 |
|          | 140               | П            | Г        | Г        | ┢  |            | Г            | $\vdash$ | $\vdash$   | $\vdash$ | 1 |
|          | 141               | ١.           |          | <u> </u> | Г  | Г          |              | Т        | <del>                                     </del> |          | 1 |
|          | 142               | <u> </u>     |          | Г        |  |            |              | $\Box$   | Г  | Г        | 1 |
|          | 143               |              |          |          |  | Г          | Г            | Г        |  |          | 1 |
|          | 144               |              |          |          |  |            | $\Box$       |          |  |          |   |
|          | 145               |              |          | L        |  |            |              |          |  |          | 1 |
|          | 146               |              |          |          |  |            |              |          |  |          |   |
|          | 147               |              |          |          |  |            |              |          |  |          |   |
|          | 148               |              |          |          |  |            |              |          |  |          |   |
|          | 149               | 匚            |          | $\Box$   |  | L          | 匚            | 匚        |  |          | ı |
|          | 150               |              |          |          |  | Ĺ          | 匚            | L        |  |          | J |